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## United States Patent [19]

## Goodrich

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[54]	FLEXIBLE INCASEMENTS FOR LED DISPLAY PANELS	
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[56]		References Cited
	U.S. I	PATENT DOCUMENTS

 4,860,476 8/1989 Hall ...... 40/597 X

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[57] ABSTRACT

The preferred embodiment of the present invention is an outer light transmissive envelope consisting of transparent rubber-like polyvinyl chloride (PVC) containing light emitting diode (LED) display panels comprised of a plurality of LED elements arranged in matrix formation. Aforementioned apparatus will have flexibility characteristics giving it the ability to conform to curved vertical surfaces that are flat and non-porous. Suction cup devices made of PVC will be bonded to the light transmissive envelope thus enabling the LED apparatus to be attached to vertical surfaces, making the unit self-supporting.

5 Claims, 1 Drawing Sheet

